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## NOTICE OF ALLOWANCE AND FEE(S) DUE

82062 7590 01/28/2009

Stattler-Suh PC  
60 South Market Street  
Suite 480  
San Jose, CA 95113

EXAMINER

STARKS, WILBERT L

ART UNIT

PAPER NUMBER

2129

DATE MAILED: 01/28/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/720,534

11/24/2003

Kavi Mahesh

ORCL.P0070C

4394

TITLE OF INVENTION: AUTOMATED INTEGRATION OF TERMINOLOGICAL INFORMATION INTO A KNOWLEDGE BASE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/28/2009

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

### HOW TO REPLY TO THIS NOTICE:

#### I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or Fax (571)-273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

82062 7590 01/28/2009  
**Stattler-Suh PC**  
60 South Market Street  
Suite 480  
San Jose, CA 95113

## **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/720,534 11/24/2003 Kavi Mahesh ORCL.P0070C 4394

TITLE OF INVENTION: AUTOMATED INTEGRATION OF TERMINOLOGICAL INFORMATION INTO A KNOWLEDGE BASE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/28/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
STARKS, WILBERT L	2129	706-045000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_  
3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,534	11/24/2003	Kavi Mahesh	ORCL.P0070C	4394
82062	7590	01/28/2009	EXAMINER	
STARKS, WILBERT L				
Stattler-Suh PC 60 South Market Street Suite 480 San Jose, CA 95113			ART UNIT	PAPER NUMBER
			2129	
DATE MAILED: 01/28/2009				

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 378 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 378 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/720,534	MAHESH, KAVI	
	<b>Examiner</b>	<b>Art Unit</b>	
	Wilbert L. Starks, Jr.	2129	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's communication of 10/22/2008.
2. ☒ The allowed claim(s) is/are 16-17, 19-26, and 28-37.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

Wilbert L. Starks, Jr./  
Primary Examiner, Art Unit 2129

## DETAILED ACTION

### *Reasons for Allowance*

Applicant has support for the following practical applications in the following lines from the Specification. Specifically, page 20, lines 7-21 defines "terminological information" as:

The integration of user specified terminological information into a built-in knowledge base has application for use in specific domains. For example, an English language newspaper in India may buy a natural language processing system (e.g., Oracle® ConText®) to provide a search capability for their on-line edition. However, the newspaper agency may find that the built-in knowledge base has little or no knowledge of Indian politics and economics. For this hypothetical, the user desires to extend the built-in knowledge base to include **terminological information** on Indian politics and economics. The built-in knowledge base (e.g., knowledge base 155) has a category for "politics", but all sub-categories associated with this node apply generally to United States politics. For this hypothetical, the India newspaper may build a hierarchy of terms for "Indian politics" under the existing "politics" category in the knowledge base. Specifically, names of major Indian political parties and politicians are organized and represented in the ISO-2788 thesaurus format. Table 3 shows an example input terminological information formatted in the ISO-2788 thesaurus format.

Further, page 2, lines 15-22 recites:

Natural language processing systems, including information search and retrieval systems, may be applied to domain specific applications. For example, a natural language processing system "may process and classify information (e.g., documents) about **medicine** for a system tailored for the medical profession. For this example, a natural language processing system may compile and classify thousands of documents related to **medicine**. A commercially available natural language processing system may include a general knowledge base, that includes terminology from a wide range of topics.

This is the practical application for which Applicant has support.

Further, the claims are inherently practiced on a computer since they are claimed as being either "computer implemented methods" or on "computer readable media."

Therefore, the claims are statutory.

Claims 16-17, 19-26, and 28-37 are allowed.

The following is an Examiner's statement of reasons for allowance: Claims 16-17, 19-26, and 28-37 are considered allowable since when reading the claims in light of the specification, as per MPEP §2111.01, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 16, including: an ontology (as defined at page 12, lines 1 through 7 and at page 4, lines 2 through 5 and at page 5, line 22 and at page 7, lines 18 through 21 and at page 10, lines 17 through 19 and at page 11, lines 6 through 13 and at page 12, lines 1 through 7 and at page 13, lines 8 through 9 and at page 15, lines 1 through 9 and at page 21, lines 20 through 26 and at page 22, lines 1 through 6 and at page 22, lines 24 through 26), a logical structure (as defined at page 19, lines 7 through 22 and Fig. 5 and at page 19, lines 1 through 6 and Fig. 4 and at page 18, lines 17 through 22 and at page 21, lines 10 through 26 and Fig. 6a and at page 22, lines 1 through 26 and at page 23, lines 1 through 15 and at page 4, lines 1 through 10 and at page 5, lines 16 through 22 and at page 18, lines 1 through 22 and at page 21, lines 10

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through 26 and at page 24, lines 1 through 6), "independence" (as defined at page 7, lines 18 through 21 and at page 8, lines 7 through 10 and at page 10, lines 14 through 22 and at page 12, lines 1 through 22 and at page 15, lines 1 through 5 and at page 22, lines 1 through 6).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 17, including: an ontology (as defined at page 12, lines 1 through 7 and at page 4, lines 2 through 5 and at page 5, line 22 and at page 7, lines 18 through 21 and at page 10, lines 17 through 19 and at page 11, lines 6 through 13 and at page 12, lines 1 through 7 and at page 13, lines 8 through 9 and at page 15, lines 1 through 9 and at page 21, lines 20 through 26 and at page 22, lines 1 through 6 and at page 22, lines 24 through 26), a logical structure (as defined at page 19, lines 7 through 22 and Fig. 5 and at page 19, lines 1 through 6 and Fig. 4 and at page 18, lines 17 through 22 and at page 21, lines 10 through 26 and Fig. 6a and at page 22, lines 1 through 26 and at page 23, lines 1 through 15 and at page 4, lines 1 through 10 and at page 5, lines 16 through 22 and at page 18, lines 1 through 22 and at page 21, lines 10 through 26 and at page 24, lines 1 through 6), "independence" (as defined at page 7, lines 18 through 21 and at page 8, lines 7 through 10 and at page 10, lines 14 through 22 and at page 12, lines 1 through 22 and at page 15, lines 1 through 5 and at page 22, lines 1 through 6).

Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 26, including: an ontology (as defined at page 12, lines 1 through 7 and at page 4, lines 2 through 5

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and at page 5, line 22 and at page 7, lines 18 through 21 and at page 10, lines 17 through 19 and at page 11, lines 6 through 13 and at page 12, lines 1 through 7 and at page 13, lines 8 through 9 and at page 15, lines 1 through 9 and at page 21, lines 20 through 26 and at page 22, lines 1 through 6 and at page 22, lines 24 through 26), a logical structure (as defined at page 19, lines 7 through 22 and Fig. 5 and at page 19, lines 1 through 6 and Fig. 4 and at page 18, lines 17 through 22 and at page 21, lines 10 through 26 and Fig. 6a and at page 22, lines 1 through 26 and at page 23, lines 1 through 15 and at page 4, lines 1 through 10 and at page 5, lines 16 through 22 and at page 18, lines 1 through 22 and at page 21, lines 10 through 26 and at page 24, lines 1 through 6), "independence" (as defined at page 7, lines 18 through 21 and at page 8, lines 7 through 10 and at page 10, lines 14 through 22 and at page 12, lines 1 through 22 and at page 15, lines 1 through 5 and at page 22, lines 1 through 6).

Only to the extent that these features (specifically as defined above) are not found in the prior art of record is the present case allowable over the prior art.

### ***Conclusion***

Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."



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Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Wilbert L. Starks, Jr. whose telephone number is (571) 272-3691.

Alternatively, inquiries may be directed to the following:

**S. P. E. David Vincent** (571) 272-3080

**Official (FAX)** (571) 273-8300

/Wilbert L. Starks, Jr./

Primary Examiner, Art Unit 2129

WLS

18 JAN 2009